

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-000480**Date Inspected:** 13-Sep-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 1400**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** CWI Zu Bing**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** 77 MU Skin C/E & 114**Summary of Items Observed:**

On this date, Caltrans Office of Structural Materials (OSM), Quality Assurance (QA) Inspector, David A. Smith was present for the random observations related to the following;

Item-1 77 Mock-Up Skin-C Stiffener MP 7-1 with a 400mm repair and MP 7-2 with a 302mm long repaired area. These areas were Magnetic Particle (MT) tested 100% of the repaired area with and was found to be in compliance with project specifications.

Item-2 77 Mock-Up Skin-E Stiffener plate MP 5-2 and MP 6-1 had had a repair that had been ground out and was now ready for MT testing to be assured that the indications had been completely removed prior to preheat and welding. The ZPMC MT test had been performed during the first shift and was ready for the Caltrans QA Inspector MT test. The test was performed on 100% of the grind out areas and was found to be in compliance with project specifications.

Item-3 114 Upper section MA 112 Stiffener plates MP 1003-1, MP 1003-2 and MP 1005-1. Half of each weld was CJP and the other half was PJP. The PJP portions, outside section, were 100% MT tested by the ZPMC technician Cai Xin Xin and was MT/OK. The Caltrans QA Inspector did MT the same sections 100% and found to be in compliance with project specifications.

**Summary of Conversations:**

There were no conversations pertinent to this project that took place during this shift.

**Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

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## WELDING INSPECTION REPORT

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<b>Inspected By:</b>	Smith,David	Quality Assurance Inspector
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<b>Reviewed By:</b>	Cochran,Jim	QA Reviewer
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